

In the specification:

Page 1, before line 1, insert the heading:

-- BACKGROUND OF THE INVENTION --.

Page 2, lines 31 - 32, cancel these lines in their entirety and substitute therefor:

SUMMARY OF THE INVENTION

Accordingly, it is an object of the present invention to provide a circuit arrangement for integration of EDP systems in the utilization of telephone systems, which avoids the disadvantages of the prior art.

In keeping with these objects and with others which will become apparent hereinafter, one feature of the present invention resides, briefly stated, in a circuit arrangement for integration of EDP systems in utilization of telephone systems connected to a public ISDN or Euro ISDN telephone network, the circuit arrangement comprising a plurality of telephone extensions which are directly connectable to a telephone network selected from the group consisting of a public ISDN telephone network and Euro ISDN telephone network, a first line, an intelligent telephone system arranged so that the telephone extensions are connectable with the at least one telephone network through the first line and the intelligent telephone system, a plurality of personal computers, an

BI
Cont

integration element arranged between the intelligent telephone system and the personal computers, the integration element receiving signals via at least one connection element selected from the group consisting of an SDLC connection element and an ISDN connection element via a second line from the at least one telephone network via the intelligent telephone system and sending back signals to the at least one telephone network, the integration element also sending a data record assigned an appropriate information via a third line, via a LAN connected to a LAN server by a fourth line and via a fifth line to the personal computers and receiving a data record from the personal computers again, a computing system, and a software layer arranged so that a conversion of the signals into a data record and vice versa is carried by the integration element, by the computing system, by the software layer and by the at least one connection element with an internal software.

It is another feature of the present invention that the personal computers are provided with keyboards so that a speech or data communication between a caller via the at least one telephone network and a competent party on one of the telephone extensions with a respectively assigned one of the personal computers is sent to another competent party and back after the respective competent party has sent a data record assigned the appropriate information to the integration element by operating the keyboard of the respectively assigned one of

the personal computers, and a necessary signal leaving the integration element is applied at the intelligent telephone system and a connection to at least one another or every telephone extension is established, so that a connection to every telephone extension simultaneously provides an immediate integration of the personal computer assigned to the telephone extension in the established speech and data communication.

It is also a feature of the present invention that the integration element is formed so that it is possible to hold an applied speech and data communication in conference where required together with at least one further competent party or all parties of the telephone extensions.

It is an additional feature of the present invention that the integration element is formed so that data are transferable when a speech and data communication has been established by every competent part even during a conference and by all competent parties both to and from a caller to every participating competent party and between the competent parties with and without a caller.

It is a further feature of the present invention that the integration element is formed so that in addition to the speech and data communication, a fax transmission is made simultaneously or parallel between the respective competent party and the caller using the keyboard of a respective one of the personal computers by using the connection of the

respective personal computer with the at least one telephone network via the fixed line with the LAN with inclusion of the LAN server via the fourth line, via the third line with the integration element comprising the computing system, the software, the at least one connection element with the internal software, and via the second line with the intelligent telephone system. *W.*

Page 3, between lines 13 and 14, insert the following:

B₂ *AA* The novel features which are considered as characteristic for the invention are set forth in particular in the appended claims. The invention itself, however, both as to its construction and its method of operation, together with additional objects and advantages thereof, will be best understood from the following description of specific embodiments when read in connection with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 *✓* is a view schematically showing a circuit arrangement for integration of EDP systems in the utilization of telephone systems, in accordance with the present invention.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

W.

Page 3, line 14, cancel "The invention is explained below in figure 1."

Page 4, after the last line, insert the following:

^{7A} It will be understood that each of the elements described above, or two or more together, may also find a useful application in other types of constructions differing from the types described above.

B
3 While the invention has been illustrated and described as embodied in a circuit arrangement for integration of EDP systems in the utilization of telephone systems, it is not intended to be limited to the details shown, since various modifications and structural changes may be made without departing in any way from the spirit of the present invention.

Without further analysis, the foregoing will so fully reveal the gist of the present invention that others can, by applying current knowledge, readily adapt it for various applications without omitting features that, from the standpoint of prior art, fairly constitute essential characteristics of the generic or specific aspects of this invention.

What is claimed as new and desired to be protected by Letters Patent is set forth in the appended claims. ~~7A~~

Page 5, cancel this page in its entirety.